

**AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

**LISTING OF CLAIMS**

1. (Currently Amended) A method for determining when a moving, airborne mobile platform will enter or exit at least one satellite coverage region, said method comprising:

determining a plurality of boundary coordinates that define a satellite coverage region perimeter, the boundary coordinates taking into consideration latitude, longitude and altitude to define a three dimensional spatial volume defined by the satellite coverage region;

monitoring a position of the mobile platform and an altitude of the mobile platform as the mobile platform moves along a travel path; and

determining the proximity of the mobile platform to the satellite coverage region perimeter, taking into account a current latitude, longitude and altitude of the mobile platform;

identifying fade areas within the satellite coverage region by utilizing signal strength data of a signal from a satellite associated with the satellite coverage region, and by comparing positional information of the mobile platform, in real time, to predetermined mapped and stored signal-strength position data ~~to identify both a perimeter of the satellite coverage region and at least one area within the perimeter that forms a fade area;~~ and

determining the proximity of the mobile platform to the fade area and to the perimeter of the satellite coverage region.

2. (Cancelled)